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Title: **JP3222257A2: MANUFACTURE OF LITHIUM ELECTRODE FOR LITHIUM BATTERY**

Country: **JP Japan**

Kind: **A**

Inventor: **NAGaura TORU;
YOKOGAWA MASAaki;
NAKAO TOSHIHIKO;
SATO KATSUZO;**

Assignee: **SONY CORP.**
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Published / Filed: **1991-10-01 / 1990-01-25**

Application Number: **JP1990000015768**

IPC Code: **H01M 4/04; H01M 4/64**

Priority Number: **1990-01-25 JP1990000015768**

Abstract:

PURPOSE: To prevent the adhesion of lithium in a rolled state and the breakage of a lithium foil during operation up to battery assembly for efficient operation by press-attaching the lithium foil formed by extrusion directly to a metal collector foil before winding in a rolled state.

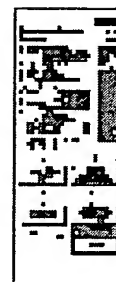
CONSTITUTION: A copper foil rolled substance 22 that a copper foil 21 is wound in a rolled state and an extruder 24 for a lithium foil 23 are prepared to have the one face of the copper foil 21, supplied from the copper foil rolled substance 22, and the desired-thickness lithium foil 23, extruded and molded from the extruder 24, faced in opposition, passed through a pair of pressure rollers 25, press-attached to each other and then wound in a rolled state. In this case, for making the lithium foil 23 thin up to a desired thickness, the lithium foil 23 from the extruder 24 is given cold rolling via 4-step rolls 26-29 and cold rolling mechanism 30. It is thus possible to prevent the adhesion of lithium in a rolled state and the breakage of the lithium during operation up to battery assembly for efficient operation.

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(11) Publication number:

03

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PATENT ABSTRACTS OF JAPAN(21) Application number: **02015768**(51) Intl. Cl.: **H01M 4/04 H01M 4/64**(22) Application date: **25.01.90**

<p>(30) Priority:</p> <p>(43) Date of application publication: 01.10.91</p> <p>(84) Designated contracting states:</p>	<p>(71) Applicant: SONY CORP</p> <p>(72) Inventor: NAGAURA TORU YOKOGAWA MASAOKI NAKAO TOSHIHIKO SATO KATSUZO</p> <p>(74) Representative:</p>
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**(54) MANUFACTURE OF
LITHIUM ELECTRODE FOR
LITHIUM BATTERY**

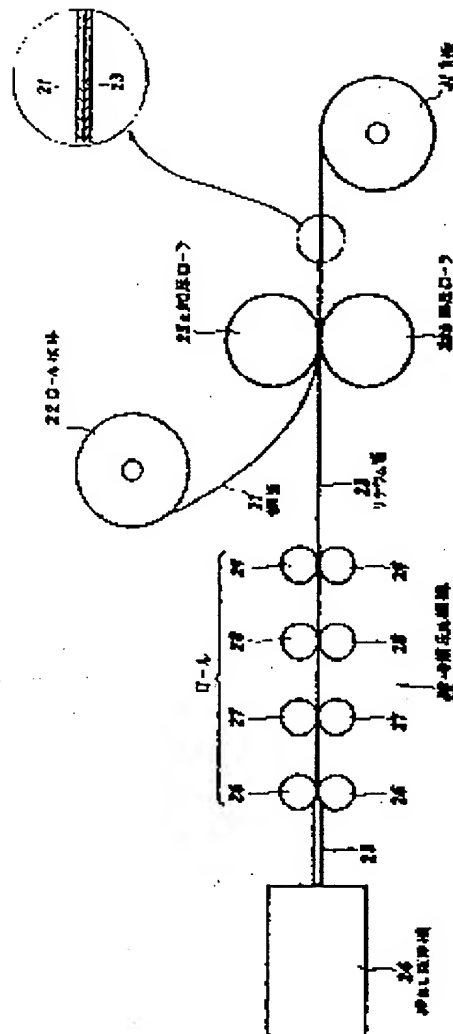
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